

# VITAL STATISTICS SUMMARY

## DUBLIN CITY

### May 2005

(Prepared by the Franklin County Board of Health)

## I. BIRTH DATA FOR THE PERIOD 1990 TO 2002

The following tables describe recent data for birth for the City of Dublin and Franklin County. The birth statistics are given by total number of births, low birth weight newborns ( $\leq 2500$  grams), and very low birth weight newborns ( $\leq 1500$  grams – very low birth weight serves as an indicator of at-risk births). Rates are set at per 1,000 for live births, and per 100 for low and very low birth weights.\*\*

1990 to 2002 DUBLIN CITY BIRTHS						
Year	Sum Births	Rate for Total Births per 1,000 Population	Sum of Births $\leq 2500$ Grams	LBW Rate per 100 Live Births	Sum of Births $\leq 1500$ grams	VLBW Rate per 100 Live Births
1990	279	22.2	16	5.73	2	0.72
1991	323	23.1	15	4.64	2	0.62
1992	292	18.9	22	7.53	1	0.34
1993	298	17.6	16	5.37	4	1.34
1994	381	20.7	20	5.25	4	1.05
1995	413	20.8	32	7.75	4	0.97
1996	405	19.0	20	4.94	4	0.99
1997	537	23.6	26	4.84	4	0.74
1998	565	23.4	31	5.49	2	0.35
1999	460	17.9	17	3.70	4	0.87
2000	653	24.1	45	6.89	14	2.14
2001	447	15.8	17	3.80	4	0.89
2002	436	14.8	21	4.82	5	1.15
<b>Total</b>	<b>5,489</b>		<b>298</b>		<b>54</b>	

1990 to 2002 FRANKLIN COUNTY BIRTHS (FCBH ZONES)						
Year	Sum Births	Rate for Total Births per 1,000 Population	Sum of Births $\leq 2500$ Grams	LBW Rate per 100 Live Births	Sum of Births $\leq 1500$ grams	VLBW Rate per 100 Live Births
1990	16,752	17.36	1,468	8.76	246	1.47
1991	16,622	17.02	1,518	9.13	221	1.33
1992	16,889	16.92	1,519	8.99	233	1.38
1993	16,710	16.66	1,572	9.41	272	1.63
1994	16,635	16.51	1,526	9.17	241	1.45
1995	16,204	16.08	1,542	9.52	247	1.52
1996	16,027	15.83	1,581	9.86	265	1.65
1997	16,242	15.96	1,515	9.33	215	1.32
1998	16,626	16.28	1,563	9.40	249	1.50
1999	16,727	16.11	1,612	9.64	262	1.57
2000	17,761	16.61	1,786	10.06	291	1.64
2001	17,252	16.10	1,420	8.23	281	1.63
2002	17,013	15.59	1,530	8.99	323	1.90
<b>Total</b>	<b>217,460</b>		<b>20,152</b>		<b>3,346</b>	

\*\* Note that the setting of new births for year 2001 used geographical information system (GIS) technology for residential assignment. Accordingly, the rate comparison is slightly different from prior estimates of population (estimated at 0.56% change from self-reported residential assignment).

## II. 5 LEADING CAUSES OF DEATH FOR THE PERIOD 1997 TO 2002

The mortality statistics are given by the 5 leading causes of death per year for Franklin County. Causes of death are comparatively tracked to enable Health Department researchers to understand the fluctuation in the leading mortality factors between individual jurisdictions and the whole of Franklin County. Proportions are set as simple averages, instead of rates, due to the small sample sizes ( $\leq 10$ ) per cell for some of the causes.\* Age-adjusted mortality statistics for the whole of Franklin County are available from the Health Department upon request.

<b>MORTALITY STATISTICS FOR THE PERIOD 1997 TO 2002, DUBLIN &amp; FRANKLIN COUNTY</b> <b>5 LEADING CAUSES AND TOTAL BY CRUDE RATES</b> <b>(Percentages Used for Comparisons for Dublin due to Very Small Sample Sizes for Some Causes)</b>				
	Dublin City		Franklin County	
Year & Cause	Sum	Rate	Sum	Rate
<b><u>1997</u></b>				
Heart Disease	30	132.0	2,244	233.4
Malignant Neoplasm	23	101.2	1,874	194.9
Cerebrovascular Diseases	11	48.4	602	62.6
Chronic Obstructionary Pulmonary Disease (COPD)	8	35.2	389	40.5
Diabetes Mellitus	3	13.2	331	34.4
<b>Total Deaths</b>	<b>111</b>	<b>488.4</b>	<b>7,769</b>	<b>808.1</b>
<b><u>1998</u></b>				
Heart Disease	27	111.7	2,261	235.2
Malignant Neoplasm	34	140.6	1,948	202.6
Cerebrovascular Diseases	6	24.8	575	59.8
Chronic Obstructionary Pulmonary Disease (COPD)	4	16.5	448	46.6
Flu and Pneumonia	1	4.1	278	28.9
<b>Total Deaths</b>	<b>106</b>	<b>438.4</b>	<b>7,972</b>	<b>829.2</b>
<b><u>1999</u></b>				
Heart Disease	39	152.2	2,406	234.1
Malignant Neoplasm	42	163.9	1,896	184.5
Cerebrovascular Disease	21	81.9	579	56.3
Chronic Lower Respiratory Disease	5	19.5	437	42.5
Diabetes Mellitus	3	11.7	280	27.2
<b>Total Deaths</b>	<b>145</b>	<b>565.7</b>	<b>8,233</b>	<b>801.0</b>
<b><u>2000</u></b>				
Disease of the Heart	23	84.9	2,113	197.7
Malignant Neoplasm	32	118.1	1,905	178.2
Cerebrovascular Disease	12	44.3	580	54.3
Chronic Lower Respiratory Disease	9	33.2	470	44.0
Diabetes Mellitus	3	11.1	273	25.5
<b>Total Deaths</b>	<b>120</b>	<b>443.0</b>	<b>8,097</b>	<b>757.5</b>
<b><u>2001</u></b>				
Disease of the Heart	29	102.6	2,105	192.3
Malignant Neoplasm	39	138.0	1,876	171.4
Cerebrovascular Disease	13	46.0	530	48.4
Chronic Lower Respiratory Disease	7	24.8	471	43.0
Diabetes Mellitus	2	7.1	330	30.1
<b>Total Deaths</b>	<b>135</b>	<b>477.7</b>	<b>8,118</b>	<b>741.7</b>
<b><u>2002</u></b>				
Disease of the Heart	26	88.3	2,073	189.4
Malignant Neoplasm	38	129.1	1,989	181.7
Cerebrovascular Disease	8	27.2	506	46.2
Chronic Lower Respiratory Disease	5	17.0	470	42.9
Diabetes Mellitus	2	6.8	177	16.2
<b>Total Deaths</b>	<b>112</b>	<b>380.6</b>	<b>8,349</b>	<b>762.8</b>

\* The number of cases from for the years 1997 and 1998 have been adjusted to account for new Federal Coding Schemes. Prior to the 1999 data, the Coding Scheme for mortality used ICD-9 Classifications for causes of Death. Starting in 1999, the Coding Scheme used for mortality is the ICD-10 Classifications. The data presented represents a conversion of the 1997 and 1998 classifications. A comparability ratio is used to adjust the tables.